

(FILE 'HOME' ENTERED AT 16:14:14 ON 02 APR 2004)

FILE 'REGISTRY' ENTERED AT 16:15:10 ON 02 APR 2004

L1	STRUCTURE UPLOADED
L2	3 S L1
L3	84 S L1 FUL
L4	STRUCTURE UPLOADED
L5	2 S L4
L6	29 S L4 FUL

FILE 'CAPLUS, USPATFULL, CA, CAOLD' ENTERED AT 16:25:51 ON 02 APR 2004

L7	8 S L2
L8	42 S L6
L9	4 DUP REM L7 (4 DUPLICATES REMOVED)
L10	34 S L8 NOT L7
L11	21 DUP REM L10 (13 DUPLICATES REMOVED)

L9 ANSWER 1 OF 4 USPATFULL on STN
 AN 2001:102862 USPATFULL
 TI Method for combating harmful fungi
 IN Grammenos, Wassilios, Ludwigshafen, Germany, Federal Republic of
 Muller, Ruth, Friedelsheim, Germany, Federal Republic of
 Sauter, Hubert, Mannheim, Germany, Federal Republic of
 Bayer, Herbert, Mannheim, Germany, Federal Republic of
 Grote, Thomas, Schifferstadt, Germany, Federal Republic of
 Gypser, Andreas, Mannheim, Germany, Federal Republic of
 Kirstgen, Reinhard, Neustadt, Germany, Federal Republic of
 Muller, Bernd, Frankenthal, Germany, Federal Republic of
 Ptock, Arne, Ludwigshafen, Germany, Federal Republic of
 Rohl, Franz, Schifferstadt, Germany, Federal Republic of
 Lorenz, Gisela, Neustadt, Germany, Federal Republic of
 Ammermann, Eberhard, Heppenheim, Germany, Federal Republic of
 Strathmann, Siegfried, Limburgerhof, Germany, Federal Republic of
 PA BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of
 (non-U.S. corporation)
 PI US 6255352 B1 20010703
 WO 9853682 19981203
 AI US 1999-423860 19991117 (9)
 WO 1998-EP2880 19980515
 19991117 PCT 371 date
 19991117 PCT 102(e) date
 PRAI DE 1997-19722222 19970528
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Spivack, Phyllis G.
 LREP Keil & Weinkauff
 CLMN Number of Claims: 16
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 763
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A method for control of harmful fungi is provided by treating the fungi,
 or the materials, plants, the soil or seeds to be protected against
 fungal infection, with an effective amount of a bisoxime of the formula
 I ##STR1##

 or a salt or adduct thereof, the index and the substituents having the
 following meanings:

 R.sup.1 is halogen, alkyl or haloalkyl;

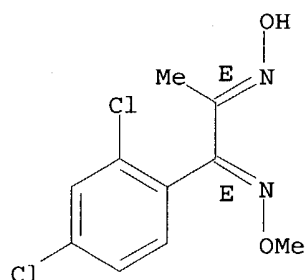
 R.sup.2 is cyano, nitro, halogen, alkyl, haloalkyl, alkoxy, haloalkoxy,
 alkylthio, alkylamino, dialkylamino, alkylaminocarbonyl, substituted or
 unsubstituted phenyl, phenoxy or phenylthio;

 n is 0, 1, 2 or 3;

 R.sup.3 is alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl
 or phenylalkyl.

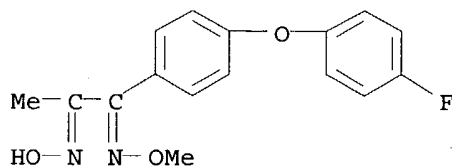
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 216570-93-3P
 (preparation as fungicide)
 RN 216570-93-3 USPATFULL
 CN 1,2-Propanedione, 1-(2,4-dichlorophenyl)-, 1-(O-methyloxime) 2-oxime,
 (1E,2E)- (9CI) (CA INDEX NAME)

 Double bond geometry as shown.



L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
 AN 1999:655959 CAPLUS
 DN 131:271705
 TI Preparation of 3-methoxy-2-phenylacrylates as agrochemical fungicides
 IN Isenring, Hans P.; Trah, Stephan; Drechsel, Bettina
 PA Novartis Finance Corp., USA
 SO U.S., 13 pp., Cont.-in-part of U.S. Ser. No. 727,329, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 2

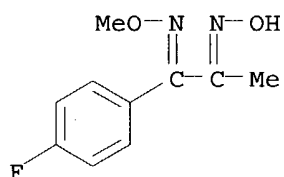
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5965613	A	19991012	US 1997-935208	19970922
	WO 9007493	A1	19900712	WO 1989-CH216	19891212
	W: AU, BR, DK, FI, HU, JP, KR, NO, US				
	RW: AT, BE, CH, DE, ES, FR, GB, IT, LU, NL, SE				
	ZA 8909923	A	19900926	ZA 1989-9923	19891227
PRAI	CH 1988-4849	A	19881229		
	WO 1989-CH216	A1	19891212		
	US 1990-555427	B1	19900820		
	US 1992-853227	B1	19920313		
	US 1992-954842	B1	19920930		
	US 1995-518476	B1	19950821		
	US 1996-727329	B2	19961008		
	CH 1989-3975	A	19891103		
OS	MARPAT 131:271705				
AB	2-(R1R2C:NOH2C)C6H4C(CO2Me):CHOMe [R1,R2 = H (un)substituted alkyl, (hetero)aryl, CO2H, etc.] were prepared as agrochem. fungicides (no data). Thus, 2-(BrH2C)C6H4C(CO2Me):CHOMe was etherified by PhMeC:NOH to give 2-(PhMeC:NOH2C)C6H4C(CO2Me):CHOMe.				
IT	245324-46-3				
	RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of 3-methoxy-2-phenylacrylates as agrochem. fungicides)				
RN	245324-46-3 CAPLUS				
CN	1,2-Propanedione, 1-[4-(4-fluorophenoxy)phenyl]-, 1-(O-methyloxime) 2-oxime (9CI) (CA INDEX NAME)				



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
 AN 1999:491297 CAPLUS
 DN 131:144605
 TI Preparation of phenyltetrazolinones as agrochemical fungicides and pesticides
 IN Gewehr, Markus; Sauter, Hubert; Bayer, Herbert; Grote, Thomas; Grammenos, Wassilios; Gypser, Andreas; Ptock, Arne; Mueller, Bernd; Goetz, Roland; Roehl, Franz; Ammermann, Eberhard; Lorenz, Gisela; Strathmann, Siegfried
 PA BASF A.-G., Germany
 SO Ger. Offen., 36 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19900571	A1	19990729	DE 1999-19900571	19990109
PRAI	DE 1998-19802680		19980124		
OS	MARPAT 131:144605				
AB	RZ1Z2CH2ON:CR1CR3:NOR2 [R = H, (halo)alk(en)yl, alkanoyl, etc.; R1 = H, halo, alkyl, alkoxy, etc.; R2 = H, (halo)alk(en)yl, (halo)alk(en)yl, alkoxyalkyl, etc.; R3 = (un)substituted (hetero)aryl; Z1 = 5-oxo-1,4-dihydro-4-tetrazolyl throughout; Z2 = (un)substituted 1,2-phenylene] were prepared as agrochem. fungicides and pesticides (no data). Thus, 2-MeC6H4NCO was cyclocondensed with Me3SiN3 and the product converted in 2 addnl. steps to MeZ1C6H4(CH2Br)-2 which was etherified by HON:CMec(:NOMe)C6H4F-4 to give 2-(MeZ1)C6H4CH2ON:CMec(:NOMe)C6H4F-4.				
IT	235084-11-4P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of phenyltetrazolinones as agrochem. fungicides and pesticides)				
RN	235084-11-4 CAPLUS				
CN	1,2-Propanedione, 1-(4-fluorophenyl)-, 1-(O-methyloxime) 2-oxime (9CI) (CA INDEX NAME)				

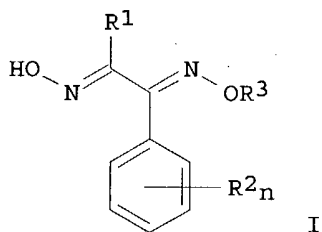


L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
 AN 1998:793043 CAPLUS
 DN 130:34469
 TI Preparation of bisoximes as fungicides
 IN Grammenos, Wassilios; Muller, Ruth; Sauter, Hubert; Bayer, Herbert; Grote, Thomas; Gypser, Andreas; Kirstgen, Reinhard; Muller, Bernd; Ptock, Arne; Rohl, Franz; Lorenz, Gisela; Ammermann, Eberhard; Strathmann, Siegfried
 PA Basf Aktiengesellschaft, Germany; et al.
 SO PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9853682	A1	19981203	WO 1998-EP2880	19980515
	W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY,				

KG, KZ, MD, RU, TJ, TM
 RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE

AU 9880179	A1	19981230	AU 1998-80179	19980515
AU 748963	B2	20020613		
EP 984686	A1	20000315	EP 1998-928275	19980515
EP 984686	B1	20020220		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
BR 9809472	A	20000620	BR 1998-9472	19980515
NZ 337734	A	20010629	NZ 1998-337734	19980515
JP 2001526701	T2	20011218	JP 1999-500168	19980515
AT 213386	E	20020315	AT 1998-928275	19980515
PT 984686	T	20020830	PT 1998-98928275	19980515
TW 501910	B	20020911	TW 1998-87107543	19980515
ES 2172895	T3	20021001	ES 1998-928275	19980515
ZA 9804509	A	19991129	ZA 1998-4509	19980527
US 6255352	B1	20010703	US 1999-423860	19991117
PRAI DE 1997-19722222	A	19970528		
WO 1998-EP2880	W	19980515		
OS MARPAT 130:34469				
GI				



AB The bisoximes I [R1 = halo, alkyl or haloalkyl; R2 = cyano, nitro, halo, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, alkylamino, dialkylamino, alkylaminocarbonyl, (un)substituted Ph, phenoxy or phenylthio; n = 0, 1, 2 or 3; R3 = alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl or phenylalkyl] are prepared as fungicides.

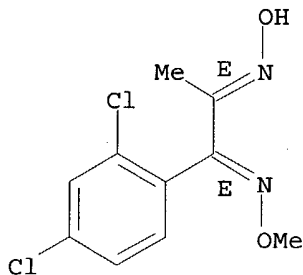
IT 216570-93-3P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation as fungicide)

RN 216570-93-3 CAPLUS

CN 1,2-Propanedione, 1-(2,4-dichlorophenyl)-, 1-(O-methyloxime) 2-oxime, (1E,2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

PCL XL error

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Error: IllegalTag

Operator: 0x1b

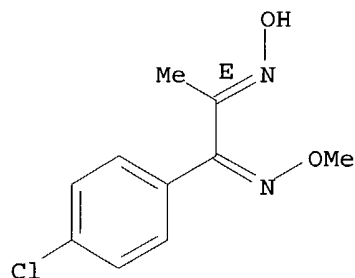
Position: 304

L12 ANSWER 1 OF 2 USPATFULL on STN
 AN 2003:327072 USPATFULL
 TI Process for the preparation of strobilurin intermediates
 IN Waditschatka, Rudolf, Gipf-Oberfrick, SWITZERLAND
 Zurfluh, Rene, Bulach, SWITZERLAND
 Kelsall, Edward, Hessle, UNITED KINGDOM
 Ziegler, Hugo, Witterswil, SWITZERLAND
 Wang, Linhua, Baton Rouge, LA, United States
 PA Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF
 (non-U.S. corporation)
 PI US 6664422 B1 20031216
 WO 2000034229 20000615
 AI US 2001-857391 20010813 (9)
 WO 1999-EP9705 19991209
 PRAI GB 1998-27163 19981210
 DT Utility
 FS GRANTED
 EXNAM Primary Examiner: Richter, Johann; Assistant Examiner: Price, Elvis O.
 LREP Henderson, Richard E.L.
 CLMN Number of Claims: 2
 ECL Exemplary Claim: 1
 DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
 LN.CNT 389
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB The present invention relates to a novel improved process and
 intermediates for the process of preparing the oxime intermediates of
 formula (II) wherein R.sub.1 is hydrogen, fluoro or chloro, and R.sub.2
 is methyl, ethyl, methoxy, ethoxy, trifluoromethyl, trifluoromethoxy,
 cyano, fluoro, chloro or bromo. The novel process comprises diazotizing
 an aniline of formula (VI) reacting the resulting diazonium salt with
 isopropenylacetate of formula (X) and reacting the resulting ketone of
 formula (XI) with an organic nitrite in the presence of hydrogen
 chloride, and methylating the resulting ketooxime of formula (VIII) with
 a methylating agent and reacting the resulting O-methyl ketooxime of
 formula (IX) with hydroxylamine. The compounds of formula (II) are
 intermediates for highly active fungicides from the class of the
 strobilurins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

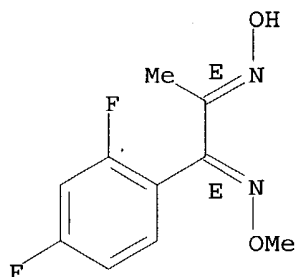
IT 216570-37-5P 221458-03-3P
 (process for preparing strobilurin intermediates)
 RN 216570-37-5 USPATFULL
 CN 1,2-Propanedione, 1-(4-chlorophenyl)-, 1-(O-methyloxime) 2-oxime, (2E)-
 (9CI) (CA INDEX NAME)

Double bond geometry as described by E or Z.



RN 221458-03-3 USPATFULL
 CN 1,2-Propanedione, 1-(2,4-difluorophenyl)-, 1-(O-methyloxime) 2-oxime,
 (1E,2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



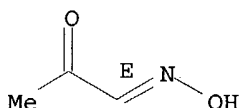
IT 17280-41-0

(process for preparing strobilurin intermediates)

RN 17280-41-0 USPATFULL

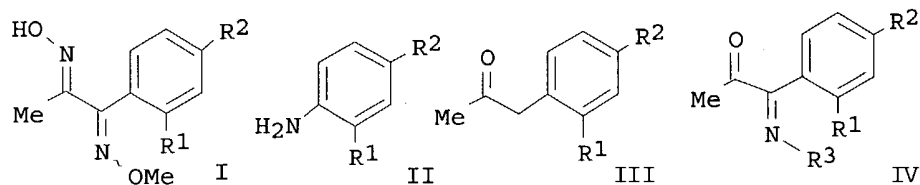
CN Propanal, 2-oxo-, 1-oxime, (1E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
 AN 2000:401779 CAPLUS
 DN 133:43384
 TI Process for the preparation of strobilurin intermediates
 IN Waditschatka, Rudolf; Zurfluh, Rene; Kelsall, Edward; Ziegler, Hugo; Wang, Linhua
 PA Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.
 SO PCT Int. Appl., 22 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000034229	A1	20000615	WO 1999-EP9705	19991209
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1137627	A1	20011004	EP 1999-963458	19991209
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	JP 2002531540	T2	20020924	JP 2000-586678	19991209
	US 6664422	B1	20031216	US 2001-857391	20010813
PRAI	GB 1998-27163	A	19981210		
	US 1999-395445	A	19990914		
	WO 1999-EP9705	W	19991209		
OS	CASREACT 133:43384; MARPAT 133:43384				
GI					



AB This invention discloses a novel improved process and intermediates for preparing strobilurin oxime intermediates (I) ($R_1 = H, F, Cl$; $R_2 = Me, Et, OMe, OEt, CF_3, OCF_3, CN, F, Cl, Br$) via diazotizing an aniline (II), reacting the resulting diazonium salt with isopropenylacetate, reacting the resulting ketone (III) with an organic nitrite in the presence of hydrogen chloride, methylating the resulting ketooxime (IV) ($R_3 = OH$) with a methylating agent and reacting the resulting O-Me ketooxime IV ($R_3 = OMe$) with hydroxylamine.. Thus, I ($R_1, R_2 = F$) was prepared starting from II ($R_1, R_2 = F$) followed by diazotization, reaction with anti-methylglyoxal-oxime, and Me iodide. I are intermediates for highly active fungicides from the class of the strobilurins.

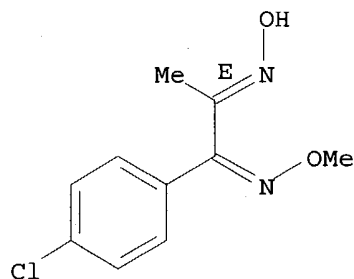
IT **216570-37-5P 221458-03-3P**

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for preparing strobilurin intermediates)

RN 216570-37-5 CAPLUS

CN 1,2-Propanedione, 1-(4-chlorophenyl)-, 1-(O-methyloxime) 2-oxime, (2E)-(9CI) (CA INDEX NAME)

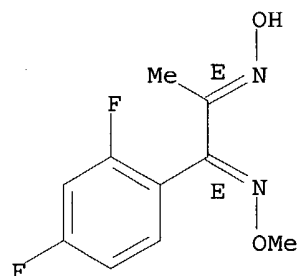
Double bond geometry as described by E or Z.



RN 221458-03-3 CAPLUS

CN 1,2-Propanedione, 1-(2,4-difluorophenyl)-, 1-(O-methyloxime) 2-oxime, (1E,2E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT **17280-41-0**

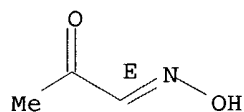
RL: RCT (Reactant); RACT (Reactant or reagent)

(process for preparing strobilurin intermediates)

RN 17280-41-0 CAPLUS

CN Propanal, 2-oxo-, 1-oxime, (1E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

(FILE 'HOME' ENTERED AT 16:45:01 ON 02 APR 2004)

FILE 'REGISTRY' ENTERED AT 16:45:26 ON 02 APR 2004

L1 0 S METHYLGLYOXAL-1-OXIME/CN
L2 STRUCTURE UPLOADED
L3 1 S L2
L4 13 S L2 FUL

FILE 'CAPLUS, USPATFULL, CA, CAOLD' ENTERED AT 16:49:29 ON 02 APR 2004

L5 546 S L4
L6 34 S L5 AND ?DIAZO?
L7 9 S L6 AND ?ANILINE?
L8 6 DUP REM L7 (3 DUPLICATES REMOVED)

FILE 'REGISTRY' ENTERED AT 16:53:46 ON 02 APR 2004

L9 STRUCTURE UPLOADED
L10 29 S L9 FUL

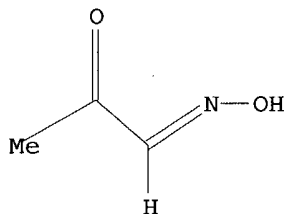
FILE 'CAPLUS, USPATFULL, CA, CAOLD' ENTERED AT 16:54:38 ON 02 APR 2004

L11 3 S L4 AND L10
L12 2 DUP REM L11 (1 DUPLICATE REMOVED)

=> d 12

L2 HAS NO ANSWERS

L2 STR

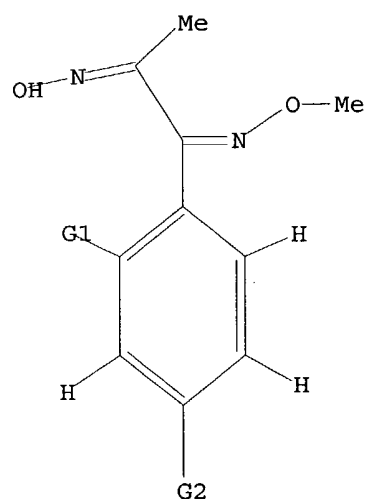


Structure attributes must be viewed using STN Express query preparation.

=> d 19

L9 HAS NO ANSWERS

L9 STR



G1 H, Cl, F

G2 Cl, Br, F, Me, Et, CF₃, MeO, EtO, CN

Structure attributes must be viewed using STN Express query preparation.